

**Abstract**

An improved fine grained zinc sulfide phosphor is provided for use in ac electroluminescent displays. The fine-grained zinc sulfide phosphor film exhibits improved luminance and may be used in conjunction with a structure or substance to minimize or prevent reaction of the fine grained phosphor with oxygen. The invention is particularly applicable to zinc sulfide phosphors used in electroluminescent displays that employ thick dielectric layers subject to high processing temperatures to form and activate the phosphor films.